

Title (en)

Control of prime mover in hvac distribution system

Title (de)

Regelung der Antriebsmaschine einer verteilten Klimaanlage

Title (fr)

Régulation d'un moteur primaire d'une installation distributive de climatisation

Publication

EP 0721089 A1 19960710 (EN)

Application

EP 95120060 A 19951219

Priority

US 36934295 A 19950106

Abstract (en)

A controller controls a prime mover (source component) in a heating, ventilation and air-conditioning (HVAC) distribution system. The controller determines a static pressure setpoint for the source component by first determining the pressure loss of each branch throughout the system. The controller then determines the pressure loss contributed by local components located within each branch of the system. The maximum of the branch pressure losses and the maximum of the component pressure losses are summed to provide the static pressure setpoint for the source component. The method provides improved control of the prime mover independent of the configuration of the system, which allows for easy and cost-effective implementation of the control method. <IMAGE>

IPC 1-7

F24F 11/04; G05D 7/06

IPC 8 full level

F24F 7/007 (2006.01); **F24F 11/04** (2006.01); **G05D 7/06** (2006.01)

CPC (source: EP US)

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Citation (search report)

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